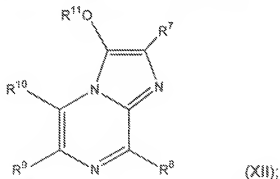


Amendments to the Claims

The updated claim listing below will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A compound of formula (XII)



wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^9 is H, alkyl, heteroalkyl, aryl, or $-\text{C}_6\text{H}_4\text{OR}^{15}$;

R^{10} is -H, $-\text{CH}_3$, or $-\text{CH}(\text{CH}_3)_2$; and

R^{14} , R^{14} , and R^{16} R^{14} and R^{15} are each independently a protecting

group that is removable by an enzyme;

wherein the enzyme is an esterase or phosphatase; and

R^{11} together with the oxygen atom to which it is attached is an ester or

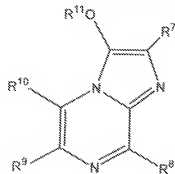
an acyloxymethyl ether;

with the proviso that R^{11} , R^{14} , and R^{15} are not all acetyl groups.

2. (Original) The compound of claim 1, wherein
 R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;
 R^8 is $-\text{CH}_2\text{C}_6\text{H}_5$, $-\text{CH}_2\text{C}_6\text{H}_{11}$, $-\text{CH}_2\text{C}_6\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$; and
 R^9 is phenyl, indolyl, $-\text{C}_6\text{H}_4\text{OH}$, $-\text{C}_6\text{H}_4\text{NH}_2$, $-\text{C}_6\text{H}_4\text{F}$, or $-\text{C}_6\text{H}_4\text{OR}^{15}$.
3. (Previously presented) The compound of claim 1, wherein $-\text{OR}^{11}$, $-\text{OR}^{14}$, and $-\text{OR}^{15}$ are each independently esters.

4. (Original) The compound of claim 1, wherein
 R^{11} is acetyl; and
 R^{14} and R^{15} are independently butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.
5. (Original) The compound of claim 1, wherein
 R^{11} is butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl; and
 R^{14} and R^{15} are independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

6. (Currently Amended) A compound of formula (XII)



(XII);

wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-CH_2-C_6H_4OR^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^9 is H, alkyl, heteroalkyl, aryl, or $-C_6H_4OR^{15}$;

R^{10} is -H, $-CH_3$, or $-CH(CH_3)_2$; and

R^{11} , R^{14} , and R^{15} are each independently a protecting group that is removable by an enzyme;

wherein the enzyme is an esterase or phosphatase

R^{11} together with the oxygen atom to which it is attached is an ester or an acyloxymethyl ether; and

wherein the concentration of the compound in a mixture comprising F12 medium and 10% fetal bovine serum at 22°C is reduced by less than 50% after 45 minutes.

7. (Original) The compound of claim 6, wherein

R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

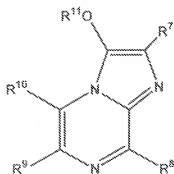
R^8 is $-\text{CH}_2\text{C}_6\text{H}_5$, $-\text{CH}_2\text{C}_6\text{H}_{11}$, $-\text{CH}_2\text{C}_5\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$; and

R^9 is phenyl, indolyl, $-\text{C}_6\text{H}_4\text{OH}$, $-\text{C}_6\text{H}_4\text{NH}_2$, $-\text{C}_6\text{H}_4\text{F}$, or $-\text{C}_6\text{H}_4\text{OR}^{15}$.

8. (Previously Presented) The compound of claim 6, wherein $-\text{OR}^{11}$, $-\text{OR}^{14}$, and $-\text{OR}^{15}$ are each independently esters.

9. (Original) The compound of claim 6, wherein R^{11} , R^{14} , and R^{15} are independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

10. (Currently amended) A compound of formula (XII)



(XII);

wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^9 is H, alkyl, heteroalkyl, aryl, or $-\text{C}_6\text{H}_4\text{OR}^{15}$;

R^{10} is $-\text{H}$, $-\text{CH}_3$, or $-\text{CH}(\text{CH}_3)_2$; and

R^{11} , R^{14} , and R^{15} are each independently a protecting group that is removable by an enzyme;

wherein the enzyme is an esterase or phosphatase

R^{11} together with the oxygen atom to which it is attached is an ester or an acyloxymethyl ether; and

wherein the removal of at least one protecting group that is removable by the enzyme provides a parent compound; and

wherein the time necessary for the concentration of the compound in a mixture comprising F12 medium and 10% fetal bovine serum at 22°C to be reduced

by 50% is greater than the time necessary for the concentration of the parent compound in a mixture comprising F12 medium and 10% fetal bovine serum at 22°C to be reduced by 50%.

11. (Currently amended) The compound of claim 10, wherein the removal of at least two protecting groups ~~that are removable by the enzyme~~ provides the parent compound.

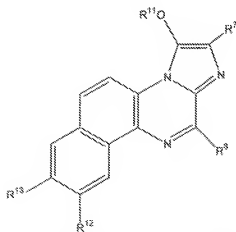
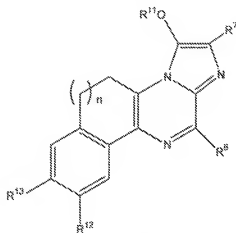
12. (Currently amended) The compound of claim 10, wherein the removal of all protecting groups ~~that are removable by the enzyme~~ provides the parent compound.

13. (Original) The compound of claim 10, wherein
R⁷ is -CH₂-C₆H₅, naphthyl, -CH₂-C₆H₄OH, -CH₂-C₆H₄F, or -CH₂-C₆H₄OR¹⁴;
R⁸ is -CH₂C₆H₅, -CH₂C₆H₁₁, -CH₂C₃H₉, or -(CH₂)₃NHC(=NH)NH₂; and
R⁹ is phenyl, indolyl, -C₆H₄OH, -C₆H₄NH₂, -C₆H₄F, or -C₆H₄OR¹⁵.

14. (Previously presented) The compound of claim 10, wherein -OR¹¹, -OR¹⁴, and -OR¹⁵ are each independently esters.

15. (Currently amended) The compound claim 10, wherein R¹¹, R¹⁴, and R¹⁵ are each independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

16. (Currently amended) A compound of formula (XIII) or (XIV)



wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^{12} and R^{13} are independently -H, -OH, alkyl, heteroalkyl, aryl, or $-\text{OR}^{16}$;

n is 0, 1, or 2; and

R^{14} , R^{14} , and R^{16} R^{14} and R^{16} are each independently a protecting

group that is removable by an enzyme;

wherein the enzyme is an esterase or phosphatase; and

R^{11} together with the oxygen atom to which it is attached is an ester or an acyloxymethyl ether.

17. (Original) The compound of claim 16, wherein

R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$; and

R^8 is $-\text{CH}_2\text{C}_6\text{H}_5$, $-\text{CH}_2\text{C}_6\text{H}_{11}$, $-\text{CH}_2\text{C}_5\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$.

18. (Previously presented) The compound of claim 16, wherein -OR¹¹, -OR¹⁴, and -OR¹⁵ are each independently esters.

19. (Currently amended) The compound of claim 16, wherein R¹¹, R¹⁴, and R¹⁵ are each independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

20. (Original) The compound of claim 16, wherein n is 1.

21. (Original) A composition, comprising:
the compound of claim 1 in solution.

22. (Original) The composition of claim 21, wherein the solution is an aqueous solution.

23. (Original) The composition of claim 21, wherein the solution comprises DMSO or alcohol.

24. (Original) A composition, comprising:
the compound of claim 6, in solution.

25. (Original) The composition of claim 24, wherein the solution is an aqueous solution.

26. (Original) The composition of claim 24, wherein the solution comprises DMSO or alcohol.

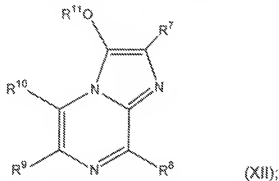
27. (Original) A composition, comprising:
the compound of claim 10, in solution.

28. (Original) The composition of claim 27, wherein the solution is an aqueous solution.

29. (Original) The composition of claim 27, wherein the solution comprises DMSO or alcohol.

30. (Original) A composition, comprising:
the compound of claim 16, in solution.
31. (Original) The composition of claim 30, wherein the solution is an aqueous solution.
32. (Original) The composition of claim 30, wherein the solution comprises DMSO or alcohol.
33. (Currently amended) A protected luminophore, which is
a protected coelenterazine that includes an imidazolone oxygen
protected with a protecting group ~~that is removable by an enzyme~~;
wherein the protecting group together with the imidazolone oxygen to
which it is attached, form an ester or an acyloxymethyl ether;
wherein subsequent removal of said protecting group provides a parent
coelenterazine; and
wherein the time necessary for the concentration of the protected
coelenterazine in a mixture comprising F12 medium and 10% fetal bovine serum at
22°C to be reduced by 50% is greater than the time necessary for the concentration
of the parent coelenterazine in a mixture comprising F12 medium and 10% fetal
bovine serum at 22°C to be reduced by 50%.
- 34.-38. (Canceled)
39. (Withdrawn) A method of measuring the enzymatic activity of a
luminogenic protein comprising:
contacting a luminogenic protein, a deprotecting enzyme, and a
protected luminophore in solution to form a composition; and
detecting light produced from the composition.
40. (Withdrawn) The method of claim 39, wherein the luminogenic protein is
Renilla luciferase.

41. (Withdrawn) The method of claim 39, wherein the protected luminophore is a compound of formula (XII)



wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^9 is H, alkyl, heteroalkyl, aryl, or $-\text{C}_6\text{H}_4\text{OR}^{15}$;

R^{10} is $-\text{H}$, $-\text{CH}_3$, or $-\text{CH}(\text{CH}_3)_2$; and

R^{11} , R^{14} , and R^{15} are each independently a protecting group that is removable by an enzyme.

42. (Withdrawn) The method of claim 41, wherein
 R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

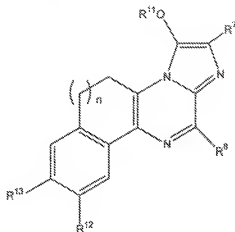
R^8 is $-\text{CH}_2-\text{C}_6\text{H}_5$, $-\text{CH}_2-\text{C}_6\text{H}_{11}$, $-\text{CH}_2-\text{C}_6\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$; and

R^9 is phenyl, indolyl, $-\text{C}_6\text{H}_4\text{OH}$, $-\text{C}_6\text{H}_4\text{NH}_2$, $-\text{C}_6\text{H}_4\text{F}$, or $-\text{C}_6\text{H}_4\text{OR}^{15}$.

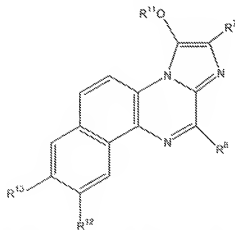
43. (Withdrawn) The method of claim 41, wherein $-\text{OR}^{11}$, $-\text{OR}^{14}$, and $-\text{OR}^{15}$ are each independently esters.

44. (Withdrawn) The method of claim 41, wherein R^{11} , R^{14} , and R^{15} are independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

45. (Withdrawn) The method of claim 39, wherein the protected luminophore is a compound of formula (XIII) or (XIV)



(XIII);



(XIV);

wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^{12} and R^{13} are independently -H, -OH, alkyl, heteroalkyl, aryl, or $-\text{OR}^{16}$;

n is 0, 1, or 2; and

R^{11} , R^{14} , and R^{16} are each independently a protecting group that is removable by an enzyme.

46. (Withdrawn) The method of claim 45, wherein

R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$; and

R^8 is $-\text{CH}_2\text{C}_6\text{H}_5$, $-\text{CH}_2\text{C}_6\text{H}_{11}$, $-\text{CH}_2\text{C}_6\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$.

47. (Withdrawn) The method of claim 45, wherein $-\text{OR}^{11}$, $-\text{OR}^{14}$, and $-\text{OR}^{16}$ are each independently esters.

48. (Withdrawn) The method of claim 45, wherein R^{11} , R^{14} , and R^{16} are independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

49. (Withdrawn) The method of claim 45, wherein n is 1.

50. (Withdrawn) The method of claim 39, wherein the composition comprises a cell.

51. (Withdrawn) The method of claim 39, wherein the composition comprises a cell which contains the deprotecting enzyme.

52. (Withdrawn) The method of claim 51, wherein detecting light produced from the composition indicates the location of the deprotecting enzyme in a cell.

53. (Withdrawn) The method of claim 39, wherein the composition comprises a cell lysate.

54. (Withdrawn) The method of claim 39, wherein the deprotecting enzyme is an esterase.

55. (Withdrawn) The method of claim 39, wherein the solution is an aqueous solution.

56. (Withdrawn) The method of claim 39, wherein the solution comprises DMSO.

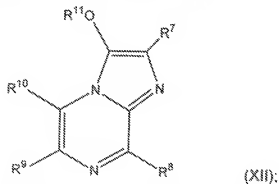
57. (Withdrawn) The method of claim 39, wherein the protected luminophore is a protected coelenterazine;
wherein the enol group has been converted to an ester or an ether comprising a protecting group that is removable by an enzyme.

58.-62. (Canceled)

63. (Withdrawn-Previously presented) The method of claim 62, wherein the protected luminophore is a protected coelenterazine;

wherein the enol group has been converted to an ester or an ether comprising an group that is removable by the non-luminogenic enzyme.

64. (Withdrawn) The method of claim 62, wherein the protected luminophore is a compound of formula (XII).



wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

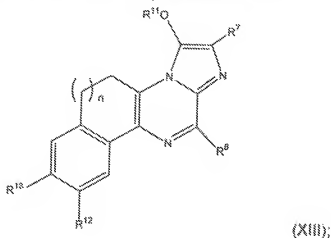
R^8 is H, alkyl, heteroalkyl, or aryl;

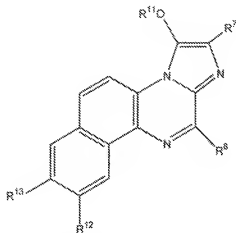
R^9 is H, alkyl, heteroalkyl, aryl, or $-\text{C}_6\text{H}_4\text{OR}^{15}$;

R^{10} is $-\text{H}$, $-\text{CH}_3$, or $-\text{CH}(\text{CH}_3)_2$; and

R^{11} , R^{14} , and R^{15} are each independently a protecting group that is removable by an enzyme that are removable by the non-luminogenic enzyme.

65. (Withdrawn) The method of claim 62, wherein the protected luminophore is a compound of formula (XIII) or (XIV)





(XIV);

wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^{12} and R^{13} are independently -H, -OH, alkyl, heteroalkyl, aryl, or $-\text{OR}^{16}$,
n is 0, 1, or 2; and

R^{11} , R^{14} , and R^{15} are each independently protecting groups that are removable by the non-luminogenic enzyme.

66.-67. (Canceled)

68. (Currently amended) The compound of claim 1, wherein

R^{11} , R^{14} , and R^{15} R^{14} and R^{15} are each independently selected from the group consisting of an alkyl group containing from 1-20 carbon atoms and a heteroalkyl group containing from 1-20 carbon atoms.

69. (Currently amended) The compound of claim 1, wherein

R^{11} , R^{14} , and R^{15} R^{14} and R^{15} are independently selected from the group consisting of an alkyl group containing from 1-15 carbon atoms and a heteroalkyl group containing from 1-15 carbon atoms.

70. (Currently amended) The compound of claim 1, wherein

R^{11} , R^{14} , and R^{15} R^{14} and R^{15} are independently a heteroalkyl group containing from 1-20 carbon atoms, and wherein $-\text{OR}^{11}$, $-\text{OR}^{14}$, and $-\text{OR}^{15}$ $-\text{OR}^{14}$ and $-\text{OR}^{15}$ are each independently an ester group or an ether group.

71. (Currently amended) The compound of claim 10, wherein

R^{11} , R^{14} , and R^{16} R^{14} and R^{15} are independently selected from the group consisting of an alkyl group containing from 1-20 carbon atoms and a heteroalkyl group containing from 1-20 carbon atoms.

72. (Currently amended) The compound of claim 10, wherein R^{11} , R^{14} , and R^{16} R^{14} and R^{15} are independently a heteroalkyl group containing from 1-20 carbon atoms, and wherein $-OR^{11}$, $-OR^{14}$, and $-OR^{16}$ $-OR^{14}$ and $-OR^{15}$ are each independently an ester group or an ether group.

73. (Currently amended) The compound of claim 16, wherein R^{11} , R^{14} , and R^{16} R^{14} and R^{16} are independently selected from the group consisting of an alkyl group containing from 1-20 carbon atoms and a heteroalkyl group containing from 1-20 carbon atoms.

74. (Currently amended) The compound of claim 16, wherein R^{11} , R^{14} , and R^{16} R^{14} and R^{16} are independently a heteroalkyl group containing from 1-20 carbon atoms, and wherein $-OR^{11}$, $-OR^{14}$, and $-OR^{16}$ $-OR^{14}$ and $-OR^{16}$ are each independently an ester group or an ether group.

75. (Withdrawn) The method of claim 41, wherein R^{11} , R^{14} , and R^{15} are independently selected from the group consisting of an alkyl group containing from 1-20 carbon atoms and a heteroalkyl group containing from 1-20 carbon atoms.

76. (Withdrawn) The method of claim 41, wherein R^{11} , R^{14} , and R^{15} are independently a heteroalkyl group containing from 1-20 carbon atoms, and comprising at least one of an ester group and an ether group.

77. (Withdrawn) The method of claim 45, wherein R^{11} , R^{14} , and R^{16} are independently selected from the group consisting of an alkyl group containing from 1-20 carbon atoms and a heteroalkyl group containing from 1-20 carbon atoms.

78. (Withdrawn) The method of claim 45, wherein

R^{11} , R^{14} , and R^{16} are independently a heteroalkyl group containing from 1-20 carbon atoms, and comprising at least one of an ester group and an ether group.

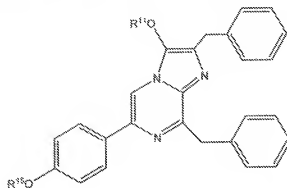
79. (Cancelled)

80. (Previously presented) The compound of claim 1, wherein the protecting group is selected from the group consisting of ester, ether, phosphoryl and glucosyl.

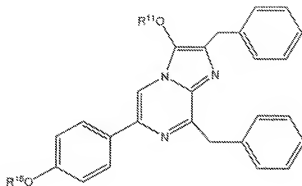
81. (Previously presented) The compound of claim 5, wherein R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is $-\text{CH}_2\text{C}_6\text{H}_5$, $-\text{CH}_2\text{C}_6\text{H}_{11}$, $-\text{CH}_2\text{C}_5\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$; and R^9 is $-\text{C}_6\text{H}_4\text{OR}^{15}$.

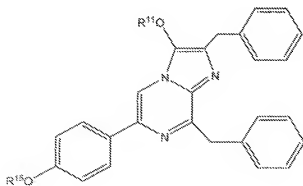
82. (Previously presented) The compound of claim 1 of the formula:



83. (Previously presented) The compound of claim 5, of the formula:



84. (Currently amended) A compound of the formula:

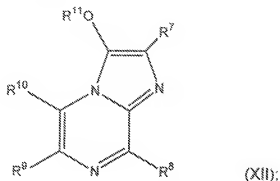


where R^{11} together with the oxygen atom to which it is attached is an ester or an acyloxymethyl ether; -and

R^{15} is ~~are~~ independently a heteroalkyl group containing from 1-20 carbon atoms, and wherein $-OR^{11}$ ~~and~~ $-OR^{15}$ is ~~are~~ each independently an ester group or an ether group.

85. (Previously presented) The compound of claim 84, wherein R^{11} and R^{15} are each independently selected from the group consisting of acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, pivaloyloxymethyl and t-butyl.

86. (Previously presented) A compound of formula (XII)



wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^9 is H, alkyl, heteroalkyl, aryl, or $-\text{C}_6\text{H}_4\text{OR}^{15}$;

R^{10} is -H, $-\text{CH}_3$, or $-\text{CH}(\text{CH}_3)_2$; and

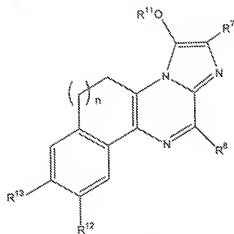
R^{11} , R^{14} , and R^{15} are each independently selected from the group consisting of acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, pivaloyloxymethyl and t-butyryl; with the proviso that R^{11} , R^{14} , and R^{15} are not all acetyl.

87. (Previously presented) The compound of claim 86, wherein R^{11} is acetyl; and R^{14} and R^{15} are independently butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

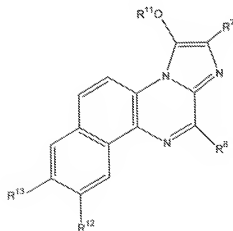
88. (Previously presented) The compound of claim 86, wherein R^{11} is butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl; and R^{14} and R^{15} are independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.

89. (Previously presented) The compound of claim 86, wherein R^7 is $-\text{CH}_2-\text{C}_6\text{H}_5$, naphthyl, $-\text{CH}_2-\text{C}_6\text{H}_4\text{OH}$, $-\text{CH}_2-\text{C}_6\text{H}_4\text{F}$, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$; R^8 is $-\text{CH}_2-\text{C}_6\text{H}_5$, $-\text{CH}_2-\text{C}_6\text{H}_{11}$, $-\text{CH}_2-\text{C}_6\text{H}_9$, or $-(\text{CH}_2)_3\text{NHC}(=\text{NH})\text{NH}_2$; and R^9 is phenyl, indolyl, $-\text{C}_6\text{H}_4\text{OH}$, $-\text{C}_6\text{H}_4\text{NH}_2$, $-\text{C}_6\text{H}_4\text{F}$, or $-\text{C}_6\text{H}_4\text{OR}^{15}$.

90. (Previously presented) A compound of formula (XIII) or (XIV)



(XIII);



(XIV);

wherein R^7 is H, alkyl, heteroalkyl, aryl, or $-\text{CH}_2-\text{C}_6\text{H}_4\text{OR}^{14}$;

R^8 is H, alkyl, heteroalkyl, or aryl;

R^{12} and R^{13} are independently -H, -OH, alkyl, heteroalkyl, aryl, or $-\text{OR}^{16}$;

n is 0, 1, or 2; and

R^{11} , R^{14} , and R^{16} are each independently acetyl, butyryl, acetoxymethyl, propanoyloxymethyl, butyryloxymethyl, or pivaloyloxymethyl.